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AMERICAN CONCRETE " FILLER "



**MAKES CONCRETE
AS HARD AS MARBLE**

AMERICAN
BOOK CO.
NEW YORK



THE AMERICAN BOOK CO.
NEW YORK

1890

AMERICAN CONCRETE FILLER

for

WATER-PROOFING, REPAIRING *and*
REMAKING CONCRETE *AS HARD AS MARBLE*

Manufactured by

The American Concrete Filler Co
Cleveland Ohio, U.S.A.



Concrete is fast supplant-
ing the use of
wood, brick and stone as a
building material, chiefly be-
cause concrete structures offer
many advantages over every other type of
construction.

There has been one marked disadvan-
tage however in the use of concrete which
is now scientifically overcome with the ad-
vent of American Concrete Filler, by which
the element of deterioration has been com-
pletely eliminated.

Concrete being porous, absorbs mois-
ture very quickly, hence rapidly deterior-

ates from the expansion and contraction due to heat and cold.

Deterioration is more or less rapid, depending upon the climatic or adverse interior conditions surrounding a concrete structure.

Where a concrete structure is exposed to the weather conditions, alternate soaking, freezing and thawing, cause the concrete to crack and crumble.

The thermal changes inside of a concrete structure cause practically the same conditions, especially where the floors, walls and ceilings are subjected to acids, alkalies, oils, steam, heat or cold.

American Concrete Filler is a pulverized metallic substance, which when mixed in the proper proportion with cement and sand, chemically unites with concrete, penetrates and completely fills the voids of the mass, mechanically forming a substance as hard as marble, absolutely wearproof, waterproof, dustproof and impervious to the destructive action of heat, cold, water, alkalies, acids and oils.

American Concrete Filler will effect a *perfect bond* between old and new concrete, mortar,

brick, stone, tile or slate, hence it is invaluable and most economical for patching or topping old concrete floors or for permanently remaking or patching all concrete structures, tunnels, sewers, reservoirs, vaults, cisterns, roofs, coal elevator or boiler pits, water, oil, acid tanks, etc., etc.

Upon the following pages of this booklet, we have treated the more general uses of American Concrete Filler in detail, but before closing our brief summary of facts, will say that if you have any concrete problems not covered upon these pages, write us the facts and our experts will instruct you how to overcome them *permanently* and *absolutely* with American Concrete Filler.

THE
AMERICAN CONCRETE FILLER
COMPANY

Cleveland, O., U. S. A.





PATCHING AN OLD FLOOR



TOPPING AN OLD FLOOR

The *Value* of American Concrete Filler for Waterproofing Floors, Walls, Roofs or Tanks, etc., against Seepage or Pressure.

All concrete, even the finest quality is porous and this feature detracts from its value as a *container of or protection against* water, acid, oils and liquids of any character.

Concrete mixed with American Concrete Filler becomes *harder* under the action of water or liquids, nor do climatic changes, no matter how severe, affect it in the least.

Hence American Concrete Filler has become a *necessity* for laying or patching Roofs, Tanks, Cisterns, Wells, Walls, Ceilings, Floors, etc., which are subjected to seepage or moisture under pressure, or which are used as containers for oil, acid, paint, varnish, etc., because of its *perfect bonding properties*, its vitrification tendencies and its water, acid and liquid proofing possibilities.

American Concrete Filler makes Concrete a non-conductor of electricity, hence its use is being specified by Electricians and Electrical Engineers in the construction of Dynamo Pits and other concrete Structures where electricity is used.

The uses of American Concrete Filler as a water and wear proofing medium for concrete are too varied to admit of detailed discussion in this booklet, but the *principal* is the same throughout its use, varied only by quantity and treatment, according to directions which our experts are glad to give when they receive the facts.

Any ordinary laborer who knows how to mix cement, sand and water can handle American Concrete Filler with the same satisfactory results as could one of our experts.

There is nothing in its use which requires expert ability, on the other hand, our simple directions for application, *which accompany each package*, will satisfactorily cover 95% of its many uses.



DIRECTIONS:

OXIDIZING COAT

Mix a quantity of the American Concrete Filler with water to the consistency of whitewash. Before applying wet the surface well with water and keep wet until the American Concrete Filler is on. For this first coat it is only necessary to have a thin film which is easily put on with a paint brush. The water is not used as a solvent but simply as a vehicle for carrying the American Concrete Filler into the pores of the concrete.

This film should be allowed to set over night to insure perfect oxidation, as the success of the whole operation depends upon the strength of the bond created by the oxidation.

BONDING COAT

To further strengthen the bond another coat is put on the day after. This coat consists of a mixture one-half cement and one-half American Concrete Filler. Mix thoroughly when dry and then add sufficient water to form a solution slightly thicker than the first coat.

Wet the surface lightly and then apply this coat with a paint brush, merely covering the bottom and sides thoroughly.

Before this has a chance to dry, put in final mixture as described on the following page.

FILLING

To every one hundred pounds of cement add fifteen pounds of American Concrete Filler and mix well, and then add two hundred pounds of sand. Now put in enough water to make a good grout and then completely fill the hole with this mixture. Tamp down well and finish to a level with the surrounding surface.

Sprinkle with water every day for about one week, so that it will not dry out too soon. By that time this patch will have set thoroughly and it will outwear the rest of the floor. It will be as hard as marble and it will never crack.

CONCRETE FACTS ABOUT AMERICAN CONCRETE FILLER.

The only material *known* that will *perfectly bond* Concrete with Concrete.

The only material *known* that will *absolutely waterproof* Concrete.

The only material *known* that will *permanently repair* Concrete.

The only material *known* that will make Concrete as *hard as marble*.

The only material *known* that will expand and form a chemical and mechanical union with Concrete.

The only material *known* that *increases* the tensile and crushing strength of Concrete.

The only material *known* that will *perfectly bond* Concrete with Mortar, Brick, Tile, Slate and Stone and similar materials.

American Concrete Filler is a disintegrated mineral, reduced to such infinitesimally minute atoms, that they must be handled in air.

The use of American Concrete Filler is a *necessity* and the *best paying investment* that any *owner* or *builder* of a concrete structure can *make*, because its cost compared with the *added life* it imparts to concrete, is too insignificant for consideration.

A novice can use it according to directions, as satisfactorily as an expert.

American Concrete Filler is shipped in metal containers, is non-volatile and does not deteriorate with age when mixed with Concrete, the *harder* you use it or the *wetter* you keep it, the *harder* it gets.

Every penny invested in American Concrete Filler pays back hundreds of dollars in dividends by guaranteeing waterproof, dustproof, wearproof, concrete floors, walls and ceilings and by prolonging the life of all concrete structures almost indefinitely. Test American Concrete Filler today.

THE AMERICAN CONCRETE FILLER CO.

Cleveland, O., U. S. A.



